

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 07090995  
PUBLICATION DATE : 04-04-95

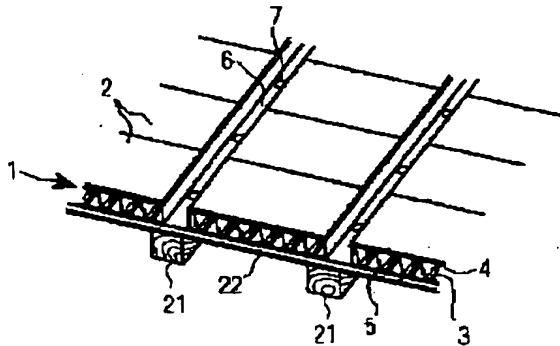
APPLICATION DATE : 28-09-93  
APPLICATION NUMBER : 05241018

APPLICANT : SHARP CORP;

INVENTOR : WATANABE MOMOKI;

INT.CL. : E04D 3/40 E04D 13/18 H01L 31/04

TITLE : SOLAR CELL PANEL



ABSTRACT : PURPOSE: To make it possible to simplify construction work at an installation site such as roofs when a solar cell is installed.

CONSTITUTION: A rack 1 is constituted with a top plate 4 installed on a corrugated top of rib sheets 3 which are molded in the shape of waveform and a bottom plate 5 installed on the bottom of the rib sheets 3. A plurality sets of solar cell modules 2 are stuck to the rack 1, thereby constituting a solar cell panel. This solar cell panel is fixed with an installation site, such as a roof by means of a screwed hole 7 installed on a mounting unit 6. The rack 1 is light due to its hollow structure, which makes it possible to install the module to a roof or the like without troubles. This construction makes it possible to install a plurality of solar cell modules attached to the rack to the roof or the like, thereby minimizing installation work on the roof as well. Furthermore, the rack 1 is hollow, which makes it possible to cool the solar cell modules by circulating open air through the rack.

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